

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

Date: 4/14/2025  
Time: 7:30:00 AM

### State Water Project

| Inflows |                                |            | Deliveries |                       |     |   |                      |     |   |                             |            |
|---------|--------------------------------|------------|------------|-----------------------|-----|---|----------------------|-----|---|-----------------------------|------------|
| A       | BBMWD In-lieu                  | 0.0        | H          | EVWUD City Creek      | 0.0 | M | Crafton Unger Lane   | 0.0 | S | SBCFCD Grove                | 0.0        |
| B       | Muni test at Greenspot Station | 0.0        | I          | Santa Ana Low Turnout | 0.0 | N | BVMWC Boullioun Box  | 4.2 | T | Newport for BVMWC           | 0.0        |
| C       | Exchange Water                 | 4.2        | J          | Northfork Canal       | 0.0 | P | SARC West            | 0.0 | U | M/C spreading at Zanja Tate | 0.0        |
| D       | Purchased Water                | 0.0        | K          | Edwards Canal         | 0.0 | Q | Zanja                | 0.0 | W | Tres Lagos                  | 0.0        |
| E       | Redlands Aqueduct Leakage      | 0.0        | L          | Redlands Aqueduct     | 0.0 | R | Tate Treatment Plant | 0.0 | V | <b>Total SWP Deliveries</b> | <b>4.2</b> |
| F       | Recharge Project               | 0.0        |            |                       |     |   |                      |     |   |                             |            |
| G       | <b>Total SWP Inflows</b>       | <b>4.2</b> |            |                       |     |   |                      |     |   |                             |            |

### Santa Ana River Inflows

| SAR PH #3 Penstock (calc) |                                  | BVMWC Highline |              | SOD Release Subtotal          |            | Total SAR Inflows |                                 |             |                          |                           |             |
|---------------------------|----------------------------------|----------------|--------------|-------------------------------|------------|-------------------|---------------------------------|-------------|--------------------------|---------------------------|-------------|
| G2                        | Northfork Canal Weir             | 0.0            | A2           | Newport                       | 0.0        | D1                | BVMWC River PU (USGS)           | 9.7         | A1                       | SAR PH #3 Penstock (calc) | 0.0         |
| H2                        | Edwards Canal                    | 0.8            | D2           | Boullioun Box Weir            | 0.0        | E1                | Main River Gage (USGS)          | 31.9        | B1                       | BVMWC Highline            | 0.0         |
| J2                        | Tailrace Valve to Parshall Flume | 0.0            | E2           | Boullioun Box to Zanja        | 0.0        | <b>minus</b>      |                                 | C1          | Greenspot Pipeline       | 0.0                       |             |
| K2                        | Northfork Parshall Flume         | 0.0            | F2           | SBVWCD Mill Creek Spreading   | 0.0        | F1                | Greenspot Spill                 | 0.0         | D1                       | BVMWC River PU (USGS)     | 9.7         |
| V1                        | PH#3 Afterbay SpillLoss to SAR   | 0.0            | B1           | <b>BVMWC Highline</b>         | <b>0.0</b> | Z1                | <b>SOD Release Subtotal</b>     | <b>41.6</b> | E1                       | Main River Gage (USGS)    | 31.9        |
| W1                        | Redlands Aqueduct / Sandbox      | 10.9           | <b>Other</b> |                               |            |                   |                                 | D1a         | BV Pick-Up gated         | <input type="checkbox"/>  |             |
| Y1                        | Redlands Sandbox Spill           | 0.0            | J1           | Big Bear Lake Release         | 0.8        | w                 | Observation at SOD              | 2219.6      | A5                       | <b>Total SAR Inflows</b>  | <b>41.6</b> |
| <b>minus</b>              |                                  |                | L1           | SCE SAR AVM (SCADA)           | 0.0        | x                 | SOD Reservoir Elevation (scada) | N/A         | <b>Edison Generation</b> |                           |             |
| D1                        | BVMWC River PU (USGS)            | 9.7            | X1           | SAR-MC Spread (Red. Aqueduct) | 8.6        | y                 | Debris Pool Elevation           | N/A         | SAR PH#1 Generating      | <input type="checkbox"/>  |             |
| I1                        | Redlands Tunnel                  | 2.0            |              |                               |            |                   |                                 |             | SAR PH#3 Generating      | <input type="checkbox"/>  |             |
| A1                        | <b>SAR PH #3 Penstock (calc)</b> | <b>0.0</b>     |              |                               |            |                   |                                 |             |                          |                           |             |
| K1                        | <b>PH3# Penstock (SCADA)</b>     | <b>0.0</b>     |              |                               |            |                   |                                 |             |                          |                           |             |

### Santa Ana River Deliveries

| Greenspot Pipeline |                             | Tailrace Pipeline |                   | SBVWCD Parshall Flume To Basins  |            | Deliveries   |                                  |                    |                                  |                             |      |
|--------------------|-----------------------------|-------------------|-------------------|----------------------------------|------------|--------------|----------------------------------|--------------------|----------------------------------|-----------------------------|------|
| M1                 | Redlands sand box           | 0.0               | G2                | Northfork Canal Weir             | 0.0        | J2           | Tailrace Valve to Parshall Flume | 0.0                | V1                               | SAR PH #3 Afterbay Spill    | 0.0  |
| N1                 | BVMWC Highline              | 0.0               | H2                | Edwards Canal                    | 0.8        | K2           | Northfork Parshall Flume         | 0.0                | W1                               | Redlands Aqueduct / Sandbox | 10.9 |
| O1                 | Newport for BVMWC           | 0.0               | J2                | Tailrace Valve to Parshall Flume | 0.0        | H1           | SBVWCD Diversion                 | 31.9               | Y1                               | Redlands Sandbox Spill      | 0.0  |
| P1                 | SBVWCD Mill Creek Spreading | 0.0               | K2                | Northfork Parshall Flume         | 0.0        | <b>minus</b> |                                  | Z2                 | Cuttle Weir To River             | 0.0                         |      |
| Q1                 | Crafton WC Unger Lane       | 0.0               | I2                | <b>Tailrace Pipeline</b>         | <b>0.8</b> | L2           | <b>SBVWCD Parshall Flume</b>     | <b>31.9</b>        | B1                               | BVMWC Highline              | 0.0  |
| R1                 | BVMWC Highline to Boullioun | 0.0               | <b>Irrigation</b> |                                  |            |              | C1                               | Greenspot Pipeline | 0.0                              |                             |      |
| S1                 | Tres Lagos                  | 0.0               | D2                | Boullioun Box Weir               | 0.0        |              | Sedimentation Basin Recharge     | 0.0                | I2                               | Tailrace Pipeline           | 0.8  |
| T1                 | Tate Pump Station to Zanja  | 0.0               | R1                | BVMWC Highline to Boullioun      | 0.0        |              | <b>Parshall Flume (SCADA)</b>    | <b>31.9</b>        | L2                               | SBVWCD Parshall Flume       | 31.9 |
| C1                 | <b>Greenspot Pipeline</b>   | <b>0.0</b>        | N                 | BVMWC Boullioun Box              | 4.2        |              |                                  | L2                 | Sedimentation Recharge           | 0.0                         |      |
|                    |                             |                   | <b>minus</b>      |                                  |            |              |                                  |                    |                                  |                             |      |
|                    |                             |                   | B2                | Gay Overflow                     | 2.4        |              |                                  | J2                 | Tailrace Valve to Parshall Flume | 0.0                         |      |
|                    |                             |                   | C2                | <b>Irrigation</b>                | <b>1.8</b> |              |                                  | K2                 | Northfork Parshall Flume         | 0.0                         |      |
|                    |                             |                   |                   |                                  |            |              |                                  | I1                 | Redlands Tunnel                  | 2.0                         |      |
|                    |                             |                   |                   |                                  |            |              |                                  | N2                 | <b>Total SAR Deliveries</b>      | <b>41.6</b>                 |      |

### Mill Creek Inflows

| Total MC Inflows |                             | Other       |    |                                  |      |
|------------------|-----------------------------|-------------|----|----------------------------------|------|
| A3               | RPU Flow                    | 9.4         | E3 | M/C #1 Penstock Flow             | 19.8 |
| B3               | M/C #3 Penstock             | 10.4        | F3 | Stream Parshall Flume to Yucaipa | 0.0  |
| C3               | SBVWCD Mill Creek Diversion | 2.5         | G3 | Observation at Garnet            | 0.0  |
| D3               | <b>Total MC Inflows</b>     | <b>22.3</b> |    |                                  |      |

### Mill Creek Deliveries

| Yucaipa Pipeline           |                               | MC #1 Flow (Cooley Hat) |    | Total MC Deliveries            |             | Other |                                 |             |                                   |                              |      |
|----------------------------|-------------------------------|-------------------------|----|--------------------------------|-------------|-------|---------------------------------|-------------|-----------------------------------|------------------------------|------|
| H3                         | Yucaipa Regional Park         | 0.0                     | P3 | Tate Inflow                    | 0.0         | C3    | SBVWCD Mill Creek Diversion     | 2.5         | H3                                | Mentone Reservoir Level      | 17.1 |
| J3                         | Wilson Creek Spreading        | 0.0                     | Q3 | East Weir to Mill Creek        | 12.5        | T3    | Mill Creek #1 Flow (Cooley Hat) | 19.8        | R3                                | Boullioun to BVMWC Highline  | 0.0  |
| K3                         | <b>Yucaipa Pipeline</b>       | <b>0.0</b>              | S3 | East Weir to Zanja             | 7.3         | U3    | <b>Total MC Deliveries</b>      | <b>22.3</b> | V3                                | Zanja West Weir to CWC Canal | 4.2  |
|                            |                               |                         | T3 | <b>MC #1 Flow (Cooley Hat)</b> | <b>19.8</b> |       |                                 | W3          | Mill Creek PH #2,3 Afterbay Spill | 0.0                          |      |
|                            |                               |                         | N3 | <b>Cooley Hat (SCADA)</b>      | <b>27.2</b> |       |                                 | V3          | Crafton Reservoir Level (21.3)    | 17.8                         |      |
| <b>SBVWCD MC Spreading</b> |                               |                         |    |                                |             |       |                                 |             |                                   |                              |      |
| C3                         | SBVWCD Mill Creek Diversion   | 2.5                     |    |                                |             |       |                                 |             |                                   |                              |      |
| L3                         | East Weir Recharge (MC)       | 12.5                    |    |                                |             |       |                                 |             |                                   |                              |      |
| M3                         | BVHL (SAR)                    | 0.0                     |    |                                |             |       |                                 |             |                                   |                              |      |
| X1                         | SAR-MC Spread (Red. Aqueduct) | 8.6                     |    |                                |             |       |                                 |             |                                   |                              |      |
| O3                         | <b>SBVWCD MC Spreading</b>    | <b>23.6</b>             |    |                                |             |       |                                 |             |                                   |                              |      |

### SBVWCD Recharge

| Location                        |                             | Type   | Previous Day (AF)             |       | WY To Date (AF)                |          | Target  | Calendar Year To Date (AF)        |         | Target  |
|---------------------------------|-----------------------------|--------|-------------------------------|-------|--------------------------------|----------|---------|-----------------------------------|---------|---------|
| A4                              | Santa Ana River             | SAR    | E4                            | 156.4 | I4                             | 8,960.2  | 176,000 | I4                                | 6,189.2 | 176,000 |
| M4                              | Santa Ana Rvr to Mill Creek | SAR-MC | N4                            | 47.6  | O4                             | 652.5    |         | O4                                | 93.5    |         |
|                                 | Santa Ana Rvr to Mill Creek | SWP    | F4                            | 0.0   | J4                             | 990.8    |         | J4                                | 990.8   |         |
| B4                              | Santa Ana River             | SWP    | G4                            | 95.2  | K4                             | 12,226.4 | 1       | K4                                | 636.0   |         |
|                                 | Mill Creek                  | MC     | H4                            | 0.0   | L4                             | 2,538.5  | 106,000 | L4                                | 1,970.5 | 106,000 |
| D4                              | Mill Creek                  | SWP    |                               |       |                                | 402.9    |         |                                   | 0.0     |         |
|                                 | Plunge Creek                | PLC    |                               |       |                                | 565.0    |         |                                   | 200.7   |         |
| SAR Passing Cuttle Weir (cfs)   | 0                           |        | Share of Lost SAR Flow        | 0     | Estimate SAR flow (cfs)        | 0        |         | Estimate SAR Recharge (AF)        | 0       |         |
| Mill Creek Passing Garnet (cfs) | 0                           |        | Share of Lost Mill Creek Flow | 0     | Estimate Mill Creek flow (cfs) | 0        |         | Estimate Mill Creek Recharge (AF) | 0       |         |
| Flow in the River Above Alabama | 0                           |        | Flowing Beyond Alabama        | 0     | Total River Flow (cfs)         | 0        |         | Total River Recharge (AF)         | 0       |         |